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## INDEX TO AMERICAN BOTANICAL LITERATURE

(1911-1912)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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**Arthur, J. C.** New names for gamopetalous plants. *Torreya* **12**: 33, 34. 15 F 1912.

**Bailey, W. W.** Some leafless trees. *Am. Bot.* **18**: 9-11. F 1912.

**Bather, F. A.** Misuse of the term "genotype." *Science* II. **35**: 270. 16 F 1912.

**Berry, E. W.** American Triassic *Neocalamites*. *Bot. Gaz.* **53**: 174-180. *pl. 17 + f. 1.* 20 F 1912.

**Beutenmüller, W.** The North American species of *Dryophanta* and their galls. *Bull. Am. Mus. Nat. Hist.* **30**: 343-369. *pl. 12-17.* 1911.

**Britton, N. L.** The genus *Hamelia* Jacq. *Torreya* **12**: 30-32. 15 F 1912.

Includes description of *Hamelia scabrida* sp. nov.

**Callier, A.** Diagnoses formarum novarum generis *Alnus*. *Repert. Sp. Nov.* **10**: 225-237. 31 D 1911.

**Christensen, C.** On a natural classification of the species of *Dryopteris*. *Biol. Arbejder Tilegnede Eug. Warming* 73-85. 1911.  
*Alsophila Kuhnii* comb. nov., and *A. phalaenolepis* sp. nov.

**Christensen, C.** Two new bipinnatifid species of *Alsophila*. *Repert. Sp. Nov.* **10**: 213, 214. 5 D 1911.

**Claassen, E.** Plants not recorded in the Ohio list from Cuyahoga and Lake counties. *Ohio Nat.* **12**: 471. 16 F 1912.

- Claassen, E.** Plants recognized on a dumping ground at the foot of Ninth Street, Cleveland, Ohio. *Ohio Nat.* **12**: 475, 476. 16 F 1912.
- Clark, H. L.** Biotypes and phylogeny. *Am. Nat.* **46**: 139-150. F 1912.
- Cockerell, T. D. A.** Fossil flowers and fruits—II. *Torreya* **12**: 32, 33. f. 1. 15 F 1912.  
*Robinia mesozoica* sp. nov. described.
- Conklin, E. G.** Problems of evolution and present methods of attacking them. *Am. Nat.* **46**: 121-128. Mr 1912.
- Davenport, C. B.** Light thrown by the experimental study of heredity upon the factors and methods of evolution. *Am. Nat.* **46**: 129-138. F 1912.
- Davidson, A.** Botanizing in Ingo County. *Bull. S. Calif. Acad. Sci.* **11**: 15-17. Ja 1912.
- Dobbin, F.** Evergreens in winter. *Am. Bot.* **18**: 7-9. F 1912.
- Eastham, J. W.** The *Myxomycetes* or slime-moulds of the Ottawa district; a preliminary list. *Ottawa Nat.* **25**: 157-163. 12 F 1912.
- Eichlam, F.** Mitteilungen aus Zentral-Amerika. *Monats. Kakteenk.* **22**: 4-11. 15 Ja 1912.
- Elmer, A. D. E.** Additional species of *Elaeocarpus*. Leaflets Philip. Bot. 4: 1171-1190. 15 N 1911.  
Includes descriptions of 14 new species.
- Elmer, A. D. E.** New *Melastomaceae*. Leaflets Philip. Bot. 4: 1191-1230. 29 N 1911.  
Includes 38 new species in *Creochiton* (1), *Dissochaeta* (1), *Melastoma* (1), *Mecycylon* (6), *Astronia* (6), and *Medinilla* (23).
- Fernald, M. L., & Wiegand, K. M.** A new variety of *Juncus balticus*. *Rhodora* **14**: 35, 36. 1 F 1912.
- Fox, C. P.** Another Ohio grown rubber. *Ohio Nat.* **12**: 469-470. 16 F 1912.
- Fullmer, E. L.** Additions made to the Cedar Point flora during the summer of 1911. *Ohio Nat.* **12**: 473. 16 F 1912.
- Fullmer, E. L.** A preliminary list of the *Myxomycetes* of Cedar Point. *Ohio Nat.* **12**: 472. 16 F 1912.
- Gordon, M.** Ray tracheids in *Sequoia sempervirens*. *New Phytol.* **11**: 1-7. f. 1-7. Ja 1912.
- Griffiths, D.** The grama grasses: *Bouteloua* and related genera. *Contr. U. S. Nat. Herb.* **14**: 343-428 + i-xi. pl. 67-83 + f. 19-63. 24 F 1912.  
Includes *Bouteloua Sonorae* and *B. eludens* spp. nov.
- Griggs, R. F.** The development and cytology of *Rhodochytrium*. *Bot. Gaz.* **53**: 127-173. pl. 11-16. 20 F 1912.

- Hackel, E.** *Gramineae novae*—VIII. Repert. Sp. Nov. **10**: 165-174. 5 D 1911.
- Hasselbring, H.** Types of Cuban tobacco. Bot. Gaz. **53**: 113-126. *pl.* 4-10. 20 F 1912.
- Hedgcock, G. G.** Winter-killing and smelter-injury in the forests of Montana. Torreya **12**: 25-30. 15 F 1912.
- Heese, E.** Über gut wachsende und leicht blühende Arten von Kakteen. Monats. Kakteenk. **22**: 1-3. 15 Ja 1912.
- Hubbard, F. T.** Some panicums of Essex County, Massachusetts. Rhodora **14**: 36-40. 1 F 1912.
- Johnston, J. R.** The history and cause of the coconut bud-rot. U. S. Dept. Agr. Plant Ind. Bull. 228: 5-175. *pl.* 1-14 + *f.* 1-10. 5 F 1912.
- Kennedy, G. G.** *Quercus imbricaria* Michx. in Massachusetts. Rhodora **14**: 34, 35. 1 F 1912.
- Linnell, M. B.** The mallows of Ohio. Ohio Nat. **12**: 465-468. 16 F 1912.
- Manson, M.** The chestnut tree disease. Science II. **35**: 269, 270. 16 F 1912.
- Peirce, G. J.** The liberation of heat in respiration. Bot. Gaz. **53**: 89-112. *f.* 1-8. 20 F 1912.
- Petersen, H. E.** *Ceramium* studies—I and II. Bot. Tidssk. **31**: 97-120. *pl.* 1-5 + *f.* 1-6. 1911.
- Petrak, F.** Beiträge zur Kenntnis der mexikanischen und zentral-amerikanischen Cirsien. Bot. Tidssk. **31**: 57-72. 1911.
- Pittier, H.** New or noteworthy plants from Colombia and Central America,—3. Contr. U. S. Nat. Herb. **13**: 431-466 + i-viii. *pl.* 78-96 + *f.* 57-91. 5 Ja 1912.  
Includes descriptions of new species in *Olmedia* (2), *Perebea* (1), *Naucleopsis* (1), *Sterculia* (1), *Clusia* (1), *Rheedia* (3), *Sideroxylon* (2), *Dipholis* (1), and *Mimusops* (1).
- Pool, R. J.** Glimpses of the Great American Desert. Pop. Sci. Mo. **80**: 209-235. *f.* 1-17. Mr 1911.
- Quehl, L.** *Mamillaria melanocentra* Pos. Monats. Kakteenk. **22**: 3. 15 Ja 1912.
- Rehm, H.** *Ascomycetes* exs. fasc. 49. Ann. Myc. **10**: 54-59. 1 F 1912.  
Includes a new species in *Patellea* from California.
- Rose, J. N.** *Tumamoca*, a new genus of *Cucurbitaceae*. Contr. U. S. Nat. Herb. **16**: 21. *pl.* 17. 13 F 1912.  
*Tumamoca Macdougalii* sp. nov.
- Rose, J. N., & Standley, P. C.** Report on a collection of plants from the Pinacate region of Sonora. Contr. U. S. Nat. Herb. **16**: 5-20. *pl.* 3-16 + *f.* 1. 13 F 1912.

- Rosenvinge, L. K.** Remarks on the hyaline unicellular hairs of the *Florideae*. Biol. Arbejder Tilegende Eug. Warming 203-216. *f.* 1-12. 1911.
- Schlechter, R.** *Orchidaceae* novae et criticae. Repert. Sp. Nov. **10**: 248-254. 31 D 1911.
- Schaffner, J. H.** The diurnal nodding of the wild carrot and other plants. Ohio Nat. **12**: 474, 475. 16 F 1912.
- Sinnott, E. W.** The pond flora of Cape Cod. Rhodora **14**: 25-34. 1 F 1912.
- Smith, C. P.** Notes from northern Utah—IV. Muhlenbergia **7**: 136-138. 15 F 1912.
- Stockberger, W. W.** A literary note on Mendel's law. Am. Nat. **46**: 151-157. F 1912.
- Stone, W.** The plants of southern New Jersey with special reference to the flora of the pine barrens and geographic distribution of the species. Ann. Rep. New Jersey State Museum **1910**: 25-828. *pl.* 1-129 + *f.* 1-5 + *map.* [26 Ja 1912.]
- Sydow, H. & P.** Novae fungorum species—VII. Ann. Myc. **10**: 77-85. 1 F 1912. [Illust.]  
Includes *Coryneum megaspermum* Syd. sp. nov. from Colorado.
- Theissen, F.** Fragmenta brasiliica IV nebst Bemerkungen über einige andere *Asterina*-Arten. Ann. Myc. **10**: 1-32. 1 F 1912. [Illust.]
- [**Vaupel, F.**] Zu unserer Abbildung. Monats. Kakteenk. **22**: 4. 15 Ja 1912. [Illust.]  
*Echinocactus Lecontei* sp. nov.
- Weingart, W.** *Cereus Silvestrii* Speg. Monats. Kakteenk. **22**: 11-13. 15 Ja 1912.
- Williams, R. S.** New or interesting mosses from Panama. Contr. U. S. Nat. Herb. **16**: 23, 24. 13 F 1912.  
*Dicranoloma meteoroides*, *Leucodon macrosporus*, and *Cyclodictyon Maxoni* spp. nov.
- Wolf, F. A.** The brown leaf spot of colt's foot, *Tussilago Farfara* L. Ann. Myc. **10**: 65-67. 1 F 1912. [Illust.]
- Wolf, F. A.** Spore formation in *Podospora anserina* (Rabh.) Winter. Ann. Myc. **10**: 60-64. 1 F 1912. [Illust.]